Deyan Papazov

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Education

Delft University of Technology Delft, NL

Bachelor of Computer Science and Engineering *September 2024 - July 2027*

- Strong emphasis on mathematical analysis, algorithmic thinking, and data-centric approaches, fostering skills in problem-solving, data modeling, and collaborative software development. - 8.0/10.0 GPA
- Relevant coursework: Algorithms and Data Structures, Web and Database Technology, Calculus, Linear Algebra, Big Data Processing, Machine Learning.

Second English Language School "Thomas Jefferson" Sofia, Bulgaria

Advanced Mathematics and Informatics *September 2019 - May 2024*

- Specialized curriculum with emphasis on advanced mathematics and informatics, including calculus, algebra, and discrete mathematics.
- Graduated with GPA: 6.00 / 6.00 through disciplined time management and strategic exam preparation.

Projects

AI-Generated vs Real Image Classification | *Python, PyTorch, CNNs, ResNet-18*

- Built and evaluated CNN-based models to distinguish AI-generated images from real photographs while mitigating dataset bias and shortcut learning.
- Implemented a CNN from scratch and compared it against a fine-tuned ResNet-18.
- Evaluated performance using accuracy metrics and confusion matrices to analyze model behavior.

Meal Planner | *Java, Spring Boot, PostgreSQL, Docker, React, JWT*

- Developed a full-stack web application with JWT-based authentication for personalized meal planning.
- Integrated external recipe APIs, nutrition tracking, and achievement-based user engagement.
- Implemented backend persistence using PostgreSQL with jOOQ and Flyway; containerized using Docker.

NetNote | *JavaFX, Spring Boot, REST, JPA*

- Built a cross-platform note-taking application with file uploads, markdown rendering, and multilingual UI support.
- Designed and consumed RESTful APIs using Spring Boot and JPA.
- Collaborated in a 5-person team using modular software design as part of a TU Delft course project.

Website Vulnerability Scanner | *Python, CLI*

- Created a Python-based CLI tool to detect common web security issues such as missing HTTPS enforcement and insecure headers.
- Implemented checks for open ports and suspicious outbound connections.
- Designed a modular architecture with automated tests for extensibility and reliability.

Additional Coursework & Training

Software University Sofia, Bulgaria

C# Programming Pathway

- Completed a structured C# training pathway covering language basics, advanced features, object-oriented programming, and industry best practices.
- Applied C# concepts through hands-on exercises, including inheritance, interfaces, data structures, and test-driven development (TDD).

Technical Skills

Programming Languages: Java, Python, C#, Scala, JavaScript, HTML, CSS
Frameworks & Tools: Spring Boot, React, Node.js, PyTorch, Docker, Apache Spark
Certifications: TryHackMe Cybersecurity 101, Cisco Introduction to Cybersecurity, IBM SkillsBuild Getting Started with Cybersecurity
Languages: Bulgarian (Native), English (Fluent), German (Intermediate), Russian (Intermediate)
Hobbies: Programming, Volleyball, Piano, Guitar